

JFW

NOV 16 2007

PTO/SB/21 (10-07)

Approved for use through 10/31/2007. OMB 0651-0031
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/605,250
		Filing Date	09/17/2003
		First Named Inventor	Tzu-Hung Cheng
		Art Unit	2624
		Examiner Name	Smith, Jeffrey S
Total Number of Pages In This Submission	9	Attorney Docket Number	PMXP0159USA

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	1. A copy of the Front Page of Patent
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	2. Copies of the Filing Receipt
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	3. A copy of the Foreign Priority data showed on public PAIR
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	4. The Form of PTO/SB/44
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	
Request for Certificate of Correction of Office Mistake		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	North America Intellectual Property Corporation		
Signature			
Printed name	Winston Hsu		
Date	NOV 14 2007	Reg. No.	41,526

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Signature			
Typed or printed name	Stephanie Lai	Date	NOV 14 2007

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PTO/SB/17 (10-07)

Approved for use through 06/30/2010, OMB 0651-0032

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Effective on 12/08/2004..

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2008

 Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)
0.00

Complete If Known

Application Number	10/605,250
Filing Date	09/17/2003
First Named Inventor	Tzu-Hung Cheng
Examiner Name	Smith, Jeffrey S
Art Unit	2624
Attorney Docket No.	PMXP0159USA

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____
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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	
Utility	310	155	510	255	210	105	
Design	210	105	100	50	130	65	
Plant	210	105	310	155	160	80	
Reissue	310	155	510	255	620	310	
Provisional	210	105	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity	
				Fee (\$)	Fee (\$)
- 20 or HP =	x	=		50	25

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	
				Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=			

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____

SUBMITTED BY

Signature	<i>Winston Hsu</i>	Registration No. (Attorney/Agent) 41,526	Telephone 3027291562
Name (Print/Type)	Winston Hsu	Date NOV 14 2007	

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : US 7,283,680 B2
Issue Date : Oct. 16, 2007
Inventor : Tzu-Hung Cheng
Docket No.: PMXP0159USA

Title: METHOD FOR IMAGE PROCESSING BY UNSHARP MASKING

To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Subject: Request for Certificate of Correction of Office
Mistake

Dear Sir,

The application number of the Foreign Application Priority Data listed on the front page of the Patent is incorrect (Attachment 1). Documents on record indicate this as an Office mistake of consequence.

The applicant hereby requests that a Certificate of Correction be issued under 37 CFR 1.322 to correct the application number of the Foreign Application Priority Data from "03145390" to "03145390.2" which was correctly listed on the Filing Receipt dated 12/05/2003 (Attachment 2) and the Foreign Priority data showed on public PAIR (Attachment 3).

Respectfully submitted,

Winston Hsu

Date: NOV 14 2007

Winston Hsu, Patent Agent No. 41,526

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(Note: Please leave a message in my voice mail if you need to talk to me. The time in D.C. is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan).

Please correct the number of the Foreign Application Priority Data from "03145390" to "03145390.2"

Attachment 1



US007283680B2

(12) United States Patent
Cheng

(10) Patent No.: US 7,283,680 B2
(45) Date of Patent: Oct. 16, 2007

(54) METHOD FOR IMAGE PROCESSING BY UNSHARP MASKING

(75) Inventor: Tzu-Hung Cheng, Taipei (TW)

(73) Assignee: Primax Electronics Ltd., Neihu, Taipei (TW)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 869 days.

(21) Appl. No.: 10/605,250

(22) Filed: Sep. 17, 2003

(65) Prior Publication Data

US 2005/0008249 A1 Jan. 13, 2005

(30) Foreign Application Priority Data

Jul. 7, 2003 (CN) 03 1 45390

(51) Int. Cl.

G06K 9/40 (2006.01)

H04N 5/21 (2006.01)

(52) U.S. Cl. 382/260; 382/266; 348/625

(58) Field of Classification Search 382/132,

382/260, 263, 264, 266; 348/625

See application file for complete search history.

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* cited by examiner

Primary Examiner—Jingge Wu

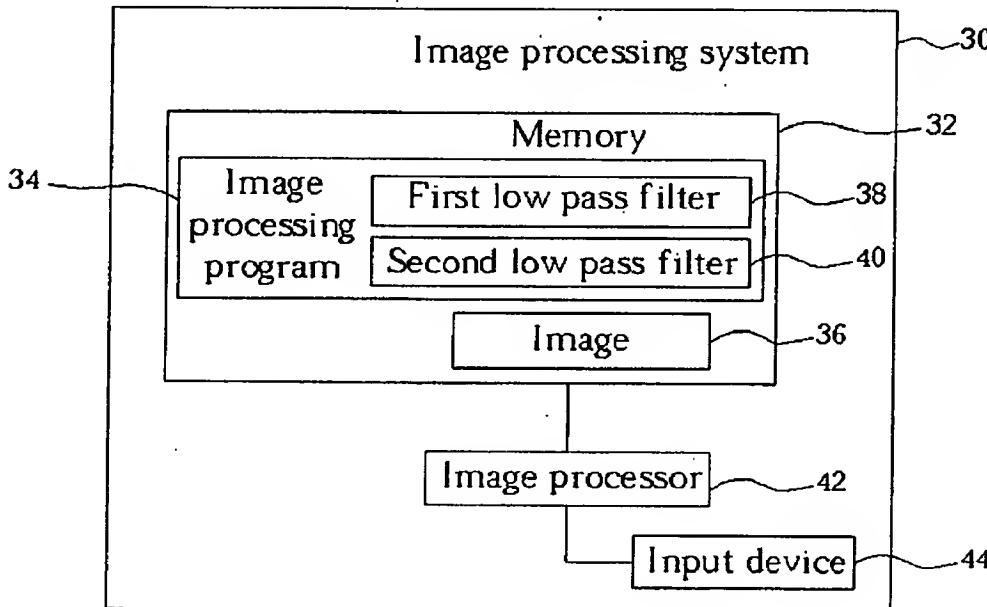
Assistant Examiner—Jeffrey S Smith

(74) Attorney, Agent, or Firm—Winston Hsu

(57) ABSTRACT

A method for adjusting an image signal by a processor includes providing a first low pass filter and a second low pass filter, generating an energy ratio of a band-pass image signal and the image signal according to the standard deviation of a first low pass signal of the first low pass filter and a second low pass signal of the second low pass filter, providing an image adjustment parameter and generating a weighting coefficient of the image signal according to the energy ratio and the image adjustment parameter, generating a third low pass filter according to the weighting coefficient of the image signal, the image adjustment parameter, the first low pass signal of the first low pass filter and the second low pass signal of the second low pass filter, and adjusting the image signal according to the image signal and the third low pass filter.

20 Claims, 7 Drawing Sheets





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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/605,250	09/17/2003	2614	750	PMXP0159USA	7	20	2

027765
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 P.O. BOX 506
 MERRIFIELD, VA 22116

943036

CONFIRMATION NO. 2249

FILING RECEIPT



OC000000011426928

Date Mailed: 12/05/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Tzu-Hung Cheng, Taipei City, TAIWAN;

T. 政伸 萬宗泰 父

Domestic Priority data as claimed by applicant

USI 1272

Foreign Applications

CHINA 03145390.2 07/07/2003

Filing Receipt 1頁!

If Required, Foreign Filing License Granted: 12/04/2003

from - 水美 高千惠

2003/12/24

Projected Publication Date: 01/13/2005

Non-Publication Request: No

Early Publication Request: No

Title

METHOD FOR IMAGE PROCESSING BY UNSHARP MASKING

Preliminary Class

348

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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10/605,250 METHOD FOR IMAGE PROCESSING BY UNSHARP MASKING

11-01-
2007::23:01:14

Foreign Priority

Country	Priority	Priority Date
CHINA	03145390.2	07-07-2003

Close Window

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : US 7,283,680 B2

APPLICATION NO.: 10/605,250

ISSUE DATE : Oct. 16, 2007

INVENTOR(S) : Tzu-Hung Cheng

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, item (30), correct the application number of the Foreign Application Priority Data from "03145390" to "03145390.2"

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